Package ‘rijkspalette’

February 7, 2019

Type  Package
Title  Create Colour Palettes Based on Famous Artworks from the Rijksmuseum
Version  1.0.1
Maintainer  Erik-Jan van Kesteren <e.vankesteren1@uu.nl>
Description  Create colour palettes based on famous paintings. Using the function rijksPalette(), you can search for any painting in the collection of the Dutch Rijksmuseum and generate a colour palette from it. This package was developed using the fantastic Rijksmuseum API <https://www.rijksmuseum.nl/api>.
License  MIT + file LICENCE
URL  https://vankesteren.github.io/rijkspalette
BugReports  https://github.com/vankesteren/rijkspalette/issues
Encoding  UTF-8
LazyData  true
Imports  imager, utils, crayon, grDevices, jsonlite, curl
RoxygenNote  6.1.1
Suggests  manipulate
NeedsCompilation  no
Author  Erik-Jan van Kesteren [aut, cre]
Repository  CRAN
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explore | Explore a rijkspalette

**Description**

This function plots the available colours in ab-space along with the cluster centroids used to generate the palette. By manipulating the number of clusters, each distinct colour category can receive its own centroid. This function was designed to work in RStudio.

**Usage**

```r
explore(x, ...)
```

**Arguments**

- `x` A rijkspalette object
- `...` other arguments passed to plot function

**See Also**

`tune`

`rijkspalette`

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rijkspalette | Rijkspalette function

**Description**

This function queries the Rijksmuseum collection for paintings and returns a colour palette based on colours from that painting.

**Usage**

```r
rijkspalette(query)
```

**Arguments**

- `query` Keyword to search for in the collection of the Rijksmuseum

**Value**

An object of type `rijkspalette`
### Description
This function tunes the extracted palette from an image in a `rijksPalette` object. Often, the defaults need to be tuned a little to get the nicest results.

### Usage
```r
tune(x, lightness, k)
```

### Arguments
- `x`:
  - rijkspalette object
- `lightness`:
  - overall lightness between 0 (darkest) and 1 (brightest)
- `k`:
  - number of colours to extract

### See Also
- `explore`
- `rijksPalette`
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